Augusta Engineering Department
Stormwater & Environmental Division

Hydrology and Hydraulics Review Checklist

Plan Name: _____ **File No.:** _____

Review Date: _____ **Reviewed By:** _____

Yes	No	N/A	Item Description and/or Information	Notes
			Drainage basin of which the site is a part has been clearly delineated. The drainage basin shall be provided at an appropriate scale that can be utilized in the overall hydrology/hydraulics report evaluation. USGS quadrangle maps of the drainage basin area shall be used as a minimum standard map.	
			A topography map of the site proposed for development shall be provided with 2 foot contour intervals accurate to 1/2 the contour interval.	
			Drainage features, natural or man-made, designed to receive discharge from proposed site improvements shall be identified on the drainage basin map and the site topography map. Sufficient data regarding the drainage features shall be provided to accurately characterize the feature including but not limited to depth, width, side slopes, surface materials, etc.	
			Soil characteristics of the proposed developed area as well as immediate downstream receiving areas shall be provided.	
			The Hydrology/Hydraulic Report of the drainage basin area and site shall include the following for on-site and off-site subbasin areas:	
			Input data	
			Method of analysis	
			Runoff generation	
			Routing calculations	
			Computation methodology is consistent with both site and drainage basin characteristics selected for the storm drainage and flood control system.	
			Documentation of runoff generated by the selected methodology shall includes data for the 2, 5, 25, 50, and 100 year return frequency storms.	
			Correct rainfall intensity values have been used (Georgia Stormwater Management Manual, Vol. 2, Table A-4, Augusta)	
			Runoff data is calculated for the drainage basin and site both prior to development and after development.	
			Correct runoff coefficients (aka CN or C-Factor) have been used.	

Notes: _____